

SOP: R002

Preparation of First Fix for SDS-PAGE

Materials and Reagents: per liter

1. 1 liter glass beaker
2. Stir bar
3. Magnetic stir plate
4. 500 ml graduated cylinder
5. Glass or polypropylene storage container
6. Milli-Q water, 500 ml
7. Methanol, 400 ml
8. Glacial acetic acid, 100 ml

Protocol:

1. _____ Combine Milli-Q water, methanol, and acetic acid in beaker and stir on stir plate.
2. _____ Decant into appropriate storage container (note 1).

Notes:

1. First fix is stable for at least a month at room temperature.

References:

Laemmli, U. K. 1970. Cleavage of structural proteins during the assembly of the head of bacteriophage T4. *Nature (London)* 227:680-685.

Morrisey, J.H. 1981. Silver stain for proteins in polyacrylamide gels; a modified procedure with enhanced uniform sensitivity. *Anal. Biochem.* 117:307-310.